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| COMBINED DECLARATION AND POWER OF ATTORNEY<br>(Includes Reference to PCT International Applications)  |                    | ATTORNEY'S DOCKET NO.<br><b>38797-8016.US00</b> |                                       |                                  |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
|---|--------------------|---|---------------------------------------|----------------------------------|--------------------|--------------------------------------|---------------------------------------|--|-------------------------|------------------|----------|------------------------------|-----------------------------|------------|------------------|--|--|---|--|--|--|--|--|---------------------|-----------------|--------------------------------------|--|--|-------------------|------------------|--|--|---|
| <p>As a below named inventor, I hereby declare that:</p> <p>My residence, post office address and citizenship are as stated below next to my name.</p> <p>I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:</p> <p style="text-align: center;"><b>RNA AMIDATES AND THIOAMIDATES FOR RNAI</b></p> <p>the specification of which (check only one item below):</p> <p><input type="checkbox"/> is attached hereto.</p> <p><input checked="" type="checkbox"/> was filed as United States Application Serial No. 10/578,530 with an I.A. Filing date of 11/03/2004 and was amended on 05/03/2006.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56(a).</p> <p>I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application(s) which designated at least one country other than the United States of America listed below and have also identified below, by checking the box, any foreign application(s) for patent or inventor's certificate, or of any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.</p> |                    |   |                                       |                                  |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
| <p><b>PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">COUNTRY (If PCT, indicate "PCT")</th> <th style="width: 25%;">APPLICATION NUMBER</th> <th style="width: 25%;">DATE OF FILING<br/>(day, month, year)</th> <th colspan="2">PRIORITY CLAIMED<br/>UNDER 35 USC §119</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td><input type="checkbox"/> YES</td> <td><input type="checkbox"/> NO</td> </tr> </tbody> </table> <p>I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or 365(c) of any PCT international application(s) designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT application(s) in the manner provided by the first paragraph of 35, U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56(a) which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.</p>   |                    |   |                                       | COUNTRY (If PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED<br>UNDER 35 USC §119 |  |                         |                  |          | <input type="checkbox"/> YES | <input type="checkbox"/> NO |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
| COUNTRY (If PCT, indicate "PCT")  | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year)            | PRIORITY CLAIMED<br>UNDER 35 USC §119 |                                  |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
|   |                    |   | <input type="checkbox"/> YES          | <input type="checkbox"/> NO      |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
| <p><b>PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC §120:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="width: 50%;">U.S. APPLICATIONS</th> <th colspan="3" style="width: 50%;">STATUS (Check one)</th> </tr> <tr> <th style="width: 33%;">U.S. APPLICATION NUMBER</th> <th style="width: 33%;">U.S. FILING DATE</th> <th style="width: 16.6%;">PATENTED</th> <th style="width: 16.6%;">PENDING</th> <th style="width: 16.6%;">ABANDONED</th> </tr> </thead> <tbody> <tr> <td>60/518,769</td> <td>04 November 2003</td> <td></td> <td></td> <td>X</td> </tr> <tr> <td colspan="5"><b>PCT APPLICATIONS DESIGNATING THE U.S.</b></td> </tr> <tr> <th style="width: 33%;">PCT APPLICATION NO.</th> <th style="width: 33%;">PCT FILING DATE</th> <th colspan="3" style="width: 34%;">U.S. Serial No. Assigned<br/>(if any)</th> </tr> <tr> <td>PCT/US2004/032780</td> <td>03 November 2004</td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table>   |                    |   |                                       | U.S. APPLICATIONS                |                    | STATUS (Check one)                   |                                       |  | U.S. APPLICATION NUMBER | U.S. FILING DATE | PATENTED | PENDING                      | ABANDONED                   | 60/518,769 | 04 November 2003 |  |  | X | <b>PCT APPLICATIONS DESIGNATING THE U.S.</b> |  |  |  |  | PCT APPLICATION NO. | PCT FILING DATE | U.S. Serial No. Assigned<br>(if any) |  |  | PCT/US2004/032780 | 03 November 2004 |  |  | X |
| U.S. APPLICATIONS   |                    | STATUS (Check one)                              |                                       |                                  |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
| U.S. APPLICATION NUMBER   | U.S. FILING DATE   | PATENTED  | PENDING                               | ABANDONED                        |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
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| <b>PCT APPLICATIONS DESIGNATING THE U.S.</b>  |                    |   |                                       |                                  |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
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| PCT/US2004/032780   | 03 November 2004   |   |                                       | X                                |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |
| <p><b>POWER OF ATTORNEY:</b> As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: All attorneys associated with Customer No. 22918 including, but not limited to: WILLIAM F. AHMANN, Registration No. 52,548; DAVID ALBAGLI, Registration No. 56,155; STEPHEN E. ARNETT, Registration No. 47,392; RODGER K. CARREYN, Registration No. 50,774; BRIAN R. COLEMAN, Registration No. 39,145; CHRISTOPHER DALEY-WATSON, Registration No. 34,807; PETER J. DEHLINGER, Registration No. 28,006; DAVID T. DUTCHER, Registration No. 51,638; GINA C. FRESCHE, Registration No. 52,063; LEEANN GORTHEY, Registration No. 37,337; JOSEPH HAMILTON, Registration No. 51,770; STEVEN D. LAWRENZ, Registration No. 37,376; KATHERINE D. LEE, Registration No. 44,865; JACQUELINE F. MAHONEY, Registration No. 48,390; SHAILESH MEHRA, Registration No. 44,934; JUDY M. MOHR, Registration No. 38,563; CHUN NG, Registration No. 36,878; NOUYEN H. NGUYEN, Registration No. 43,834; KENNETH H. OHRNER, Registration No. 31,646; PAUL T. PARKER, Registration No. 38,264; MAURICE J. PIRIO, Registration No. 33,273; TIM R. SEELEY, Registration No. 53,575; LAUREN SLIGER, Registration No. 51,086; CARINA M. TAN, Registration No. 45,769; MARK A. THOMAS, Registration No. 37,953; GLENN E. VON TERSCH, Registration No. 41,364; JOHN M. WECHKIN, Registration No. 42,216; JAMES A.D. WHITE, Registration No. 43,985; MICHAEL J. WISE, Registration No. 34,047; ROBERT G. WOOLSTON, Registration No. 37,263; and JAMES J. ZHU, Registration No. 52,396.</p>     |                    |   |                                       |                                  |                    |                                      |                                       |  |                         |                  |          |                              |                             |            |                  |  |  |   |  |  |  |  |  |                     |                 |                                      |  |  |                   |                  |  |  |   |

| COMBINED DECLARATION AND POWER OF ATTORNEY (CONTINUED)<br>(Includes Reference to PCT International Applications)  |  |  | ATTORNEY'S DOCKET NO.<br><u>38797-8016.US00</u> |
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| <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 101 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p> |  |  |   |
| <p>SIGNATURE OF INVENTOR 201</p> <p><u>Jan. 19, 2007</u> <u>Sergei M. Gryaznov</u></p> <p>Date Signature</p>  |  |  |   |
| <p>SIGNATURE OF INVENTOR 202</p> <p><u>1/17/2007</u> <u>Ulay</u></p> <p>Date Signature</p>  |  |  |   |